

**M 5.5, 131 km WNW of Naha, Japan**

Origin Time: 2022-02-08 16:36:31 UTC (Wed 00:36:31 local)  
Location: 26.8196° N 126.5479° E Depth: 10.0 km

**PAGER  
Version 4**

Created: 2 hours, 5 minutes after earthquake

**Estimated Fatalities**

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

**Estimated Economic Losses**

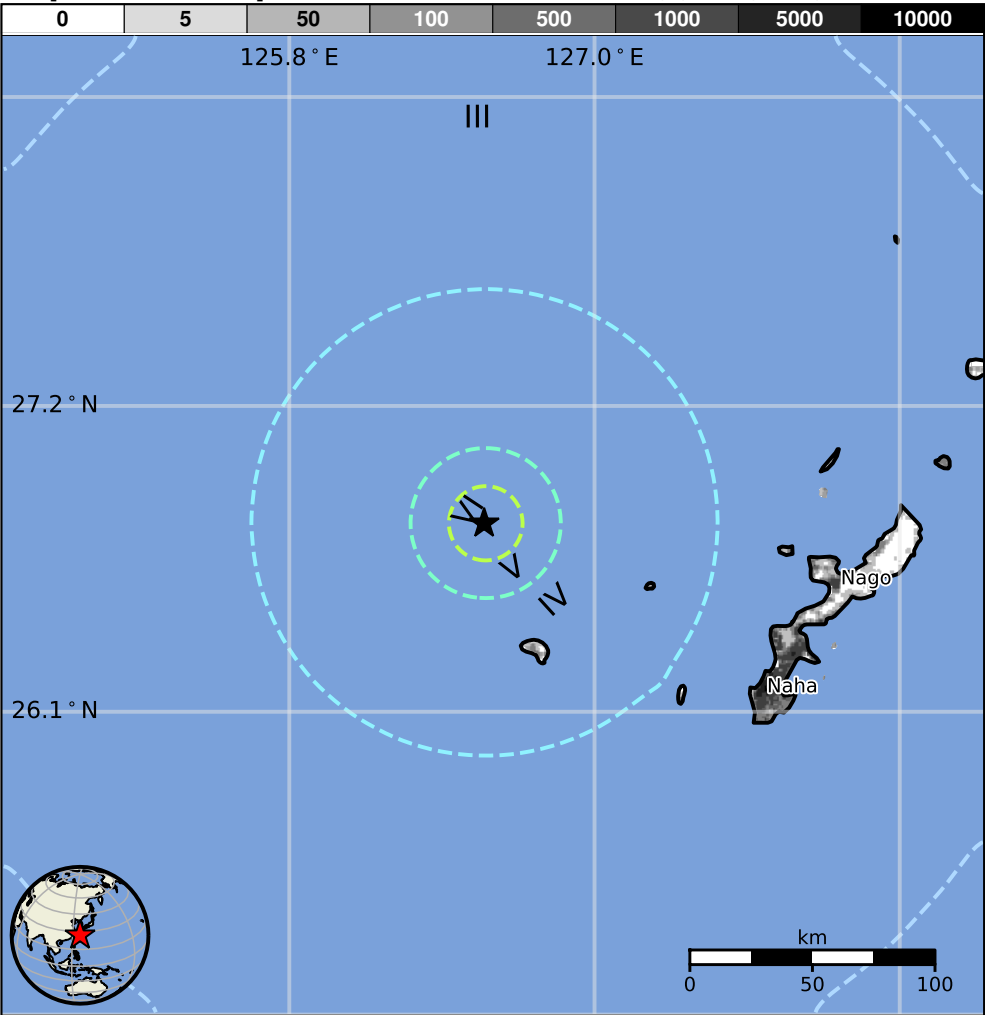


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	1,252k	19k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

**Population Exposure**



**Structures**

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are heavy wood frame and reinforced/confined masonry construction.

**Historical Earthquakes**

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2001-08-17	118	5.9	V(10k)	—
1990-05-17	128	5.8	VII(162k)	—
1995-10-18	393	7.1	VIII(8k)	0

**Selected City Exposure**

from GeoNames.org

MMI	City	Population
III	Tomigusuku	56k
III	<b>Naha</b>	<b>301k</b>
III	Okinawa	125k
III	Ginowan	92k
III	Ishikawa	22k
III	Chatan	28k
III	<b>Nago</b>	<b>60k</b>
III	Itoman	57k
III	Gushikawa	65k
III	Katsuren-haeburu	34k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.  
<https://earthquake.usgs.gov/earthquakes/eventpage/us7000gj4q#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000gj4q